IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 09/863,676

Filed: May 21, 2001

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718US

(00-0316.00/US)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. The listed documents were cited by the Office in co-pending application Serial No. 10/706,575, filed on November 12, 2003, and directed to a related invention. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	<u>Publication Date</u>	<u>Patentee</u>
5,607,601	03/04/97	Loper et al.
6,587,009	07/01/03	Kitamura et al.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,

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Date: June 30, 2004

JRD/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08

Copy of documents cited

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Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE				Application Number	09/863,676	
STATEMENT BY APPLICANT			PPLICANT	Filing Date	May 21, 2001	
STATEMENT DI ATTERCANT		First Named Inventor	Frank L. Hall			
				Group Art Unit	1725	
(use as many sheets as necessary)		Examiner Name	S. Heinrich			
Sheet	1	of	1	Attorney Docket Number	4718US (00-0316.00/US)	J

			U.S. PATENT D	OCUMENTS		
Examiner Cite		Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Sited Socialization	Passages or Relevant Figures Appear	
		US-5,607,601	03/04/97	Loper et al.		
		US- 6,587,009	07/01/03	Kitamura et al.		
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FOREIGN PATENT DOCUMENTS						
Examiner Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,		
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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Examiner Signature	Date Considered	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.